

ABSTRACT OF THE DISCLOSURE

A high-power microwave antenna in which, in order to radiate a pulse (8), the antennas (4) of the high power microwave are actuated by a pulse-generating source (3) and are embodied normally as wire antennas, horn antennas or the like. In particular for HPM active systems (1) to be conveyed, the antenna aperture of the antenna (4) is limited by the geometric edge dimensions of a carrier system (2) for the HPM active system (1), which further leads to a reduction in the efficiency of the antenna (4). According to the present invention, the antenna (4) is integrated into an airbag (5) that is inflated for operational use and thereby simulate the antenna (4). The antenna airbag (5) is inflated near a target (100) onto which at least one pulse (8) must be radiated.